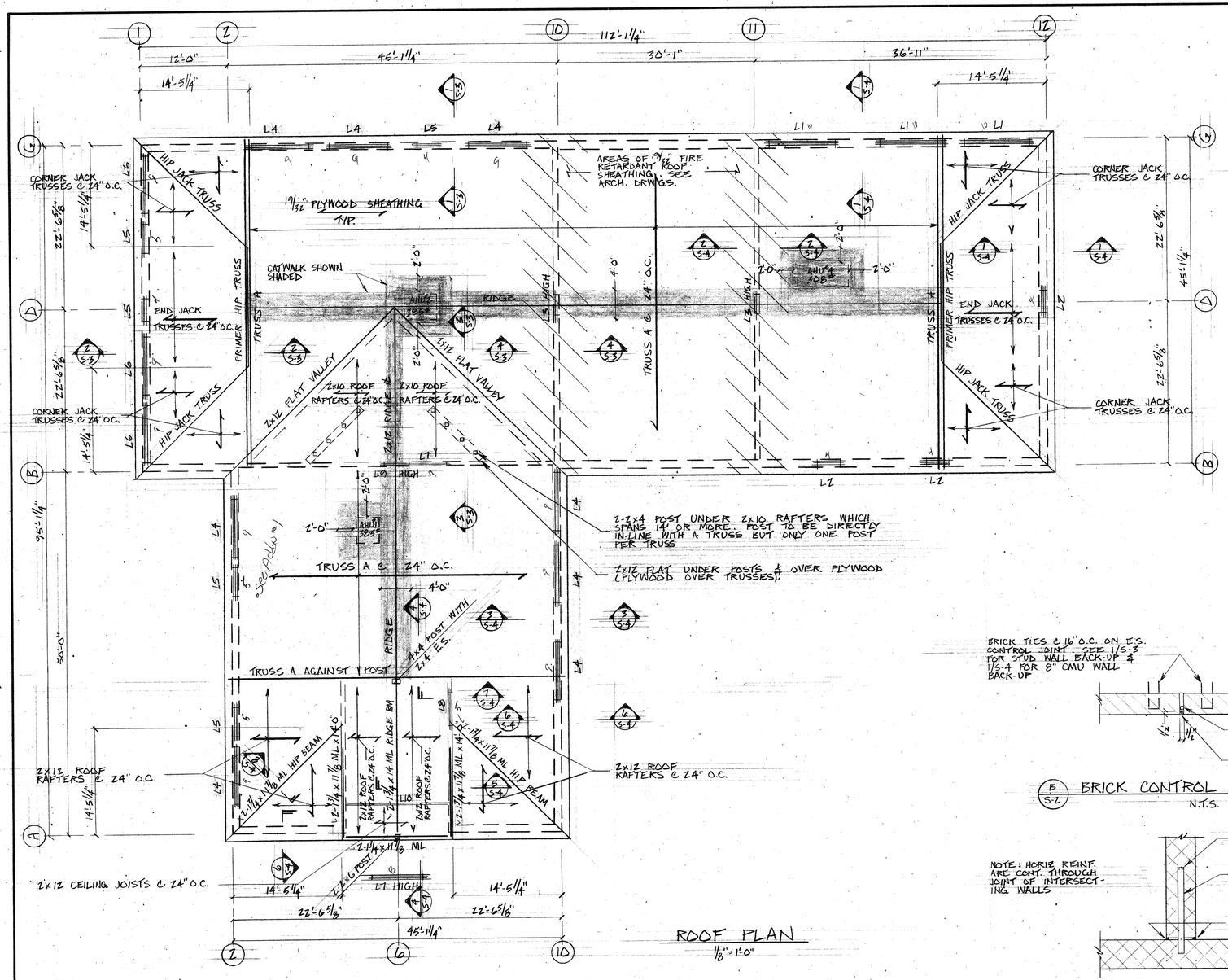
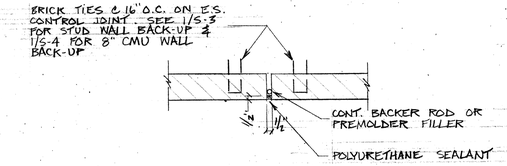
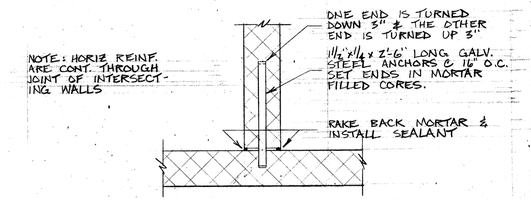


ROOF PLAN
1/8"=1'-0"



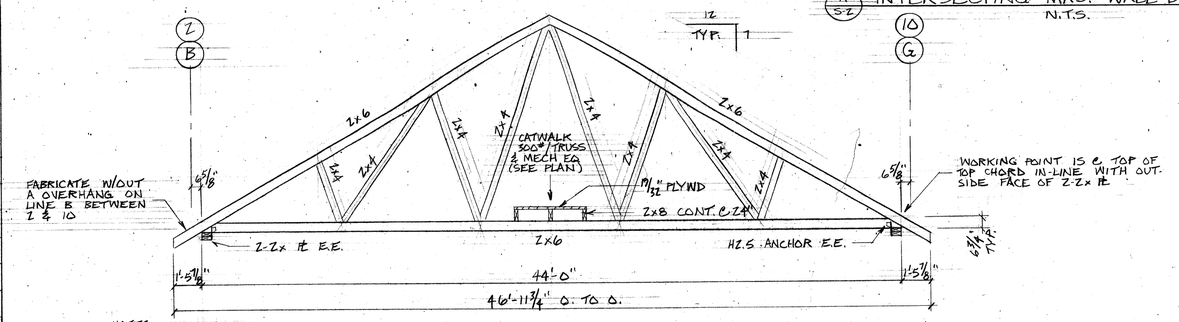
E S-2 BRICK CONTROL JT DETAIL
N.T.S.



A S-2 INTERSECTING MAS. WALL DETAIL
N.T.S.

LINTEL SCHEDULE
SEE ARCHITECTURAL DRAWING FOR OPENING SIZE

MARK	SECTION	REMARK
L1	1L 6x3 1/2x5/16 1L'S 8x4x 1/2	
L2	3L'S 3 1/2x3 1/2x5/16	
L3	2L'S 3 1/2x3 1/2x5/16	
L4	1L 5x3 1/2x5/16 3-2x12	
L5	1L 3 1/2x3 1/2x5/16 3-2x6	
L6	1L 5x3 1/2x5/16 3-2x8	
L7	3-2x10	
L8	3-2x8	
L9	2-2x6	
L10	2-2x10	
L11	1L 3 1/2x3 1/2x5/16	
L12	2L'S 4x3 1/2x5/16	



NOTES
1. PROVIDE 1x4 TRUSS BRACE AS REQ'D FOR ANY COMPRESSION MEMBER.
2. MECH. EQ. BEARS ON CATWALK. SEE ROOF PLAN FOR WEIGHT.

TRUSS A
1/4"=1'-0"

PRECAST PRESTRESSED CONCRETE NOTES

1. All precast prestressed concrete work shall be in accordance with the latest ACI 318 Building Code.
2. All precast prestressed concrete members shall have 5000 psi compressive strength in 28 days, and 3500 psi at the time of initial prestress.
3. All prestressed concrete pre-tensioned tendons shall be "Uncoated Seven-Wire Stress-Relieved Strand for Prestressed Concrete ASTM A-416" with ultimate tensile strength of not less than 250,000 psi.
4. All reinforcing steel in precast prestressed members shall be new billet steel deformed bar A615 grade 60.
5. Planks shall be grouted by a mixture of not less than one part cement to three part fine sand. Any grout that may have seeped through to the ceiling below shall be removed before it hardens.
6. All structural steel required for connections shall be A-36 steel.
7. Provide an approved saddle-type header at all openings where plank is out.
8. All bearing strip shall be Fabco SA-47 by Fabreeka, Korolath by Koro Corp., or approved equal neoprene.
9. The thickness of topping is measured at the support of the precast members.
10. See General Notes for design live loads.
11. Concentrated loads shall be as indicated on the drawings.
12. The fabricator shall submit complete shop drawings of all precast prestressed members and saddle type header to the Architect for approval before fabrication.
13. Complete calculations for the precast prestressed members shall be submitted by the fabricator to the Architect for written approval.
14. The calculations shall be made and stamped by a registered professional engineer.

MASONRY NOTES

1. All reinforced masonry work shall conform to the latest Specification by the National Concrte Masonry Association (NCMA).
2. The ultimate compressive masonry strength f'm shall not be less than 1350 psi in 28 days.
3. All concrete block shall be load-bearing two cell concrete Masonry units conforming to ASTM C90 with 2000 psi minimum compressive strength on net area in 28 days or higher as required to meet the required f'm.
4. Mortar for masonry units shall be type S conforming to ASTM C270, masonry cement will not be allowed.
5. Portland cement for mortar and grout shall exhibit no efflorescence when tested conforming to ASTM C67.
6. Masonry cement shall not be used in mortar or grout.
7. All masonry walls shall be reinforced with Dur-O-Wal or AA Ladder type reinforcing or approved equal. They shall be of 9 gauge wire run continuous horizontally and at 16" o.c. vertically and at 8" over openings extending 3'-0" beyond opening.
8. At all corners or wall intersection, the concrete block units shall be keyed and reinforced with corner reinforcing to match horizontal reinforcing steel.
9. At "T" intersection, the vertical joint shall be caulked on each side and shall be tied by 1 1/4" x 1/4" x 30" with 3" bend strap anchor @ 16" o.c. vertically.
10. Grout all voids with vertical reinforcing bars and bond beams and at masonry anchors unless otherwise noted.
11. All masonry walls supporting a beam shall be filled solid with grout 3 courses directly under the beam.
12. High or low lift grouting may be used. Contractor shall select grouting system based on requirements to prevent blow-out.

WOOD FRAMING NOTES

1. All wood construction shall be in accordance with "National Design Specification for Wood Construction" and "American Plywood Association" requirements.
2. All framing members joist, bearing studs, exterior studs, plates, sills shall be an approved species and comemercial grade with the following minimum allowable stresses in accordance with the National Design Specification for wood construction:
a. Fbr-1200 psi, Fbs-1050 psi, Fv-70 psi, Fc-725 psi, E-1,400,000 psi
all others: Fbr-1100 psi, Fbs-950 psi, Fv-75 psi, Fc-850 psi, E-1,400,000 psi.
3. All wood in contact with masonry or concrete but not exposed to weather shall be coated with Wolman Clear Wood Preservative or approved equal and shall be applied in accordance with manufacture's specification.
4. The moisture content of the framing lumber shall not exceed 19 percent.
5. All studs cut due to opening shall be added at the jamb with double studs minimum.
6. All stud walls shall have 2x blocking at mid-height with maximum spacing not more than 6'-0".
7. All wood connectors and anchors shall be manufactured by Simpson Co., Panel Clip Co. or Cleveland Co.
8. All construction adhesive shall be Scotch-Grip #5230 by 3M, #202 by 3C, PL-400 by Contech, or phenol resorcinol adhesive.
9. Constructioon adhesive shall be used between all members of built up sections.
10. All plywood or approved equal waferboard shall be installed in accordance with recommendations of the American Plywood Association.
11. All roof sheathing shall be 19/32" thick, 40/20 APA performance-rated sheathing, Exposure 1, and APA registered trademarked.
12. All wall sheathing shall be 15/32" thick, 32/16 APA performance-rated sheathing, Exposure 1, and APA registered trademarked.
13. All Micro-Lam (ML) lamianated veneer beam shall be manufactured by Truss Joist Corporation or approved equal Weyerhaeuser, Gang-nail, or Alpine.

WOOD TRUSS NOTES

1. All wood trusses shall be in accordance with "Design Specification for Metal Plate Connected Wood Truss" by Truss Plate Institute.
2. All roof trusses shall be approved steel gusset trusses.
3. The configuration of wood truss may not be changed unless written approval from the Architect before bid closing.
4. The fabricator shall be an experienced and approved fabricator with a registered professional engineer to supervise fabrication.
5. After trusses arrive at the job, fabricator's registered engineer shall inspect all the trusses and verify in writing that they meet the requirement of the drawings and specifications in material and workmanship. An affidavit shall be submitted by the fabricator's engineer to the Architect.
6. All lumber shall be No. 2 KD 15 So. Pine or approved equal with allowable stress equal or exceed the above.
7. Chord and web members of the truss shown on the drawing shall never be decreased in size.
8. Temporary bracing of the truss shall be in accordance with the recommendations of Truss Plate Institute and the fabricator.
9. Bracing of the truss shall be as shown on the drawing, approved fabricator's calculations, and as recommended by Truss Plate Institute.
10. Calculations showing the design of the truss, connection between truss, and gussets with forces and stresses on all members and test data on the gussets shall be submitted for approval before fabrication.
11. Calculations shall be stamped by a registered professional engineer in the state of Massachusetts.
12. Shop drawing, showing erection plans, size and material of all the members, and detail of their connections, bracing members and connections installed in the field shall be submitted to the Architect for approval before fabrication.

COMMONWEALTH OF MASSACHUSETTS
DONALD C. SIANG No. 16644 REGISTERED PROFESSIONAL ENGINEER

TRAVERS ASSOCIATES ARCHITECTS
950 WATERTOWN STREET
WEST NEWTON, MASSACHUSETTS 02165 TEL: 965 5359

SIANG ENGINEERING INC.
950 WATERTOWN STREET
WEST NEWTON MA 02165
TEL. (617) 244-0560

T.E.I. #8890

EASTHAM
POLICE HEADQUARTERS
ROUTE SIX
EASTHAM, MASSACHUSETTS

ROOF PLAN
STRUCTURAL NOTES

REV

DATE 3-28-89

SCALE AS NOTED

DRAWING NO.
S-2

CHARRETTE